



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Hartman Windows and Doors, LLC.

531 Southern Boulevard

West Palm Beach, FL 33405

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "European Clipped/ Unclipped" Wood and Steel Mullion- L.M.I

APPROVAL DOCUMENT: Drawing No. **M07-01**, titled "Series European Clipped/ Unclipped" Wood and Steel Mullion", sheets 1 through 7 of 7, dated 05/08/2007 with revision A dated 10/26/2007, prepared by Al-Farooq Corporation, dated 11/01/2007, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
12/7/07

NOA No. 07-0918.02
Expiration Date: December 27, 2012
Approval Date: December 27, 2007
Page 1

Hartman Windows and Doors, LLC.

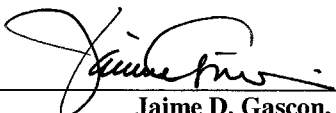
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **M07-01**, titled "Series European Clipped/ Unclipped" Wood and Steel Mullion", sheets 1 through 7 of 7, dated 05/08/2007 with revision A dated 10/26/2007, prepared by Al-Farooq Corporation, dated 11/01/2007, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5191**, dated February 19, 2007, signed and sealed by Michael Wenzel, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4941**, dated December 11, 2006, signed and sealed by Edmundo Largaespada, P.E.
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4944**, dated November 14, 2006, signed and sealed by Edmundo Largaespada, P.E.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0918.02

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Hartman Windows and Doors, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Continuous)

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4969**, dated August 21, 2006, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated May 14, 2007, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-98/ 02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Statement letter of conformance, compliance and no financial interest, dated April 24, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of conformance, dated January 25, 2007, signed and sealed by Edmundo Largaespada, P.E.

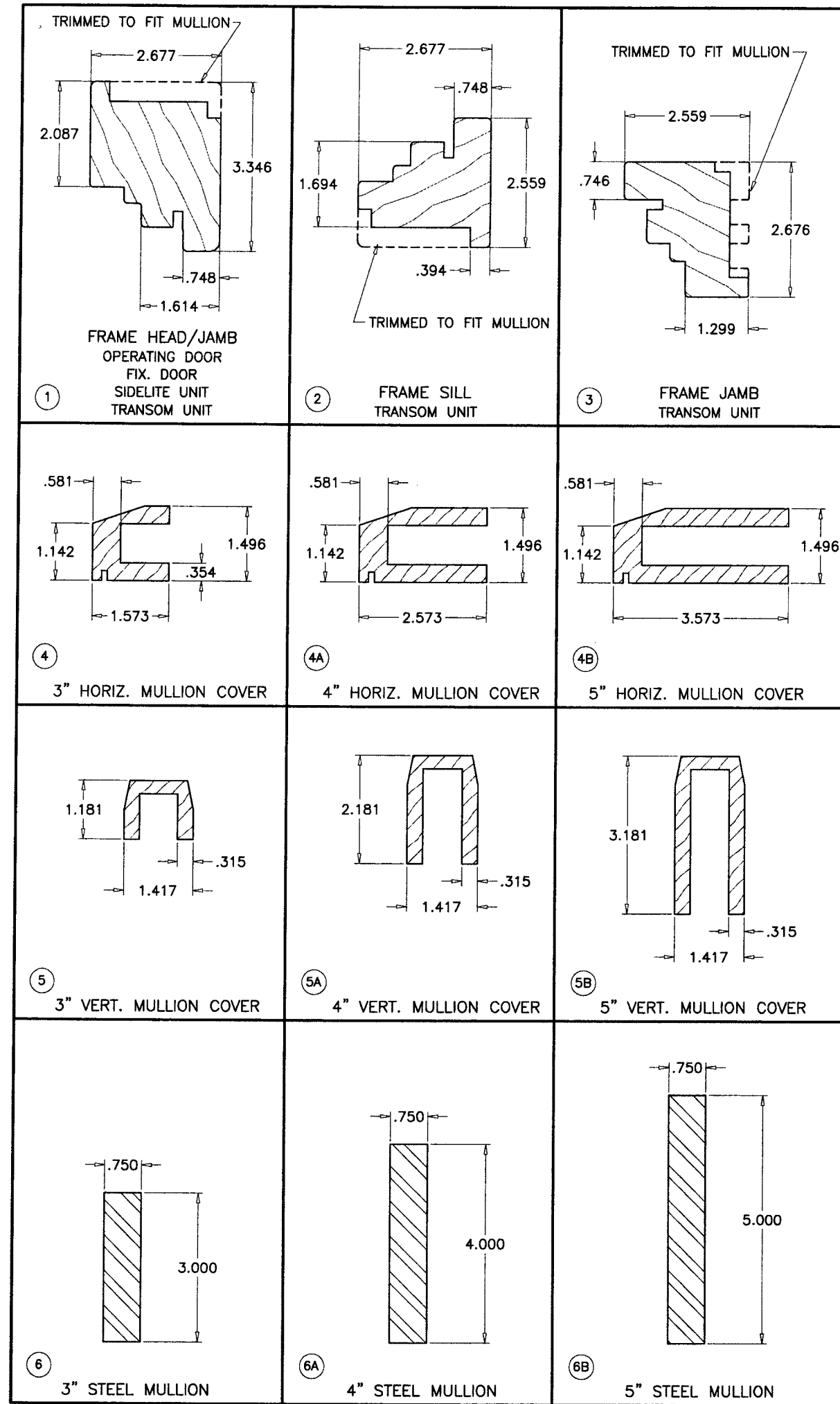
G. OTHER

1. None



Jaime D. Gascon, P.E.
Chief, Product Control Division
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| ITEM # | PART # | REQD. | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|--------|----------|--|----------|------------------------|
| 1 | - | AS REQD. | FRAME HEAD/JAMB (OPER./FIX. DOOR, SIDELITE UNIT, TRANSOM UNIT) | WOOD | MAHOGANY |
| 2 | - | AS REQD. | FRAME SILL (TRANSOM UNIT) | WOOD | MAHOGANY |
| 3 | - | AS REQD. | FRAME JAMB (TRANSOM UNIT) | WOOD | MAHOGANY |
| 4 | - | AS REQD. | 3" HORIZ. MULLION COVER | WOOD | MAHOGANY |
| 4A | - | AS REQD. | 4" HORIZ. MULLION COVER | WOOD | MAHOGANY |
| 4B | - | AS REQD. | 5" HORIZ. MULLION COVER | WOOD | MAHOGANY |
| 5 | - | AS REQD. | 3" VERTICAL MULLION COVER | WOOD | MAHOGANY |
| 5A | - | AS REQD. | 4" VERTICAL MULLION COVER | WOOD | MAHOGANY |
| 5B | - | AS REQD. | 5" VERTICAL MULLION COVER | WOOD | MAHOGANY |
| 6 | - | AS REQD. | 3" MULLION | STEEL | - |
| 6A | - | AS REQD. | 4" MULLION | STEEL | - |
| 6B | - | AS REQD. | 5" MULLION | STEEL | - |
| 7 | - | AS REQD. | SPLINE | WOOD | - |

MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED
IMPACT AND NON-IMPACT RESISTANT PRODUCTS.

CLIPPED/UNCLIPPED WOOD & STEEL MULLION SYSTEM WINDOW/DOOR FRAME MEMBERS INCLUDED IN PROPERTIES

DESIGN LOAD RATING FOR THIS MULLION TO BE AS PER CHARTS
SHOWN ON SHEETS 2 THRU 4.

APPROVAL APPLIES TO MULLIONS COMBINATIONS WITH FRAME MEMBERS OF
WINDOWS AND DOORS IN ANY COMBINATIONS.

SEE HARTMAN WINDOWS SEPARATE NOA FOR WINDOW/DOOR ANCHORS AND
DESIGN LOAD CAPACITY.

LOWEST VALUE RESULTING FROM MULLION, WINDOW OR DOOR APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING
HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE
APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER
INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT
TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS
ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF
ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO
CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS
OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

Approved as complying with the
Florida Building Code
Date 12/27/2007
NOA# 07-0918.02
Miami Dade Product Control
Division
By *[Signature]*

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

CLIPPED/UNCLIPPED WOOD & STEEL MULLION
HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

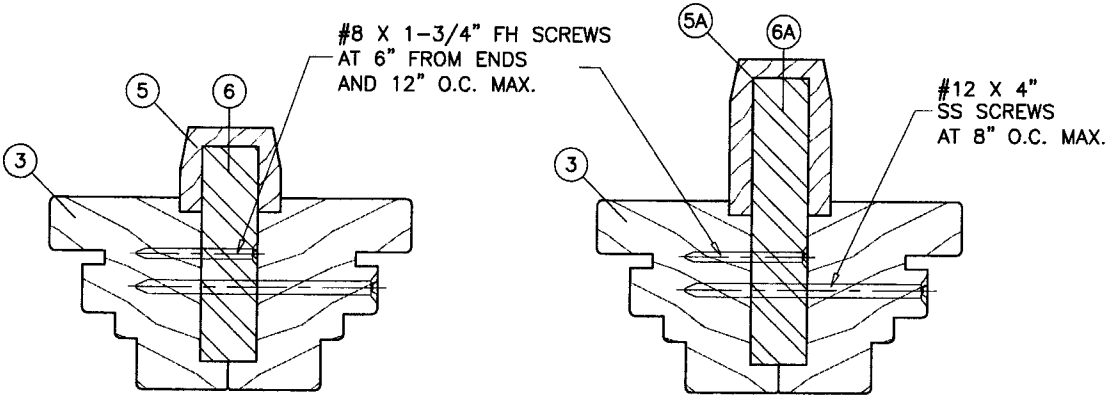
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dr. by: HAMID
chk. by:

drawing no.
M07-01

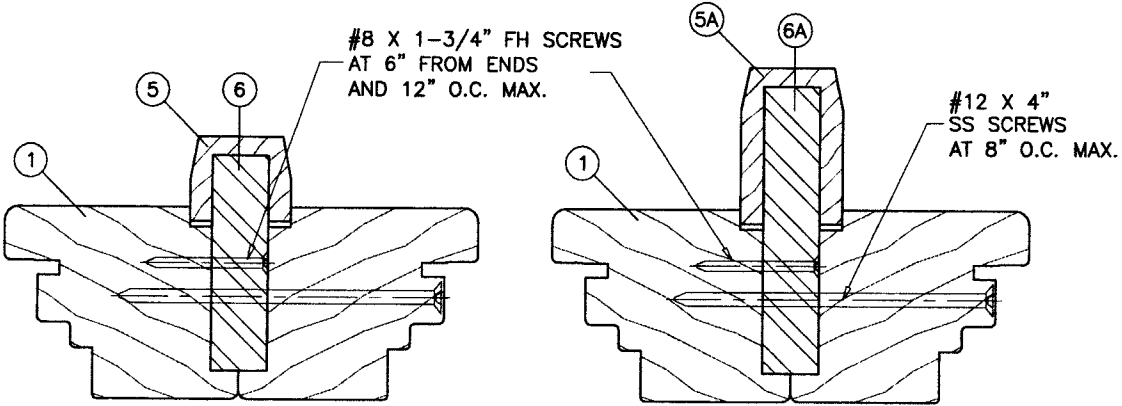
sheet 1 of 7

| DESIGN LOAD CAPACITY - PSF | | | | | |
|----------------------------|-----------|---------------------|---------------------|---------------------|---------------------|
| WINDOW DIMS. | | 3" MULLION | | 4" MULLION | |
| WIDTH (W) | MULL SPAN | ANCHORS TYPE 'A' | ANCHORS TYPE 'B' | ANCHORS TYPE 'A' | ANCHORS TYPE 'B' |
| 24" | 84" | 70.0 | 70.0 | 70.0 | 70.0 |
| 30" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 36" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 42" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 48" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 24" | 96" | 70.0 | 70.0 | 70.0 | 70.0 |
| 30" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 36" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 42" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 48" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 24" | 108" | 70.0 | 70.0 | 70.0 | 70.0 |
| 30" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 36" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 42" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 48" | | 65.1 | 70.0 | 65.1 | 70.0 |
| 24" | 120" | 70.0 | 70.0 | 70.0 | 70.0 |
| 30" | | 70.0 | 70.0 | 70.0 | 70.0 |
| 36" | | 65.7 | 65.7 | 70.0 | 70.0 |
| 42" | | 57.0 | 57.0 | 63.2 | 70.0 |
| 48" | | 50.7 | 50.7 | 57.0 | 70.0 |



SIDELITE TO SIDELITE
VERTICAL JOIN

SIDELITE TO SIDELITE
VERTICAL JOIN

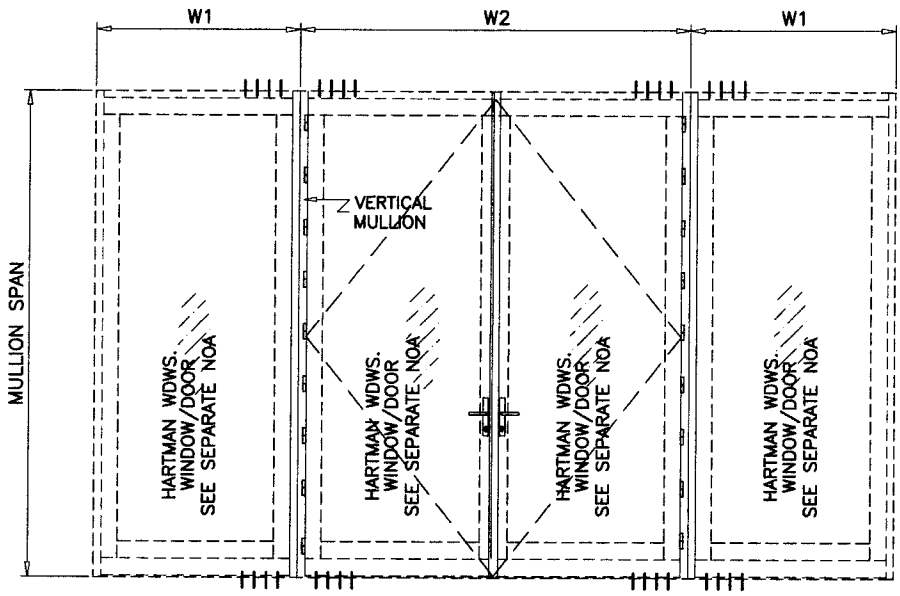
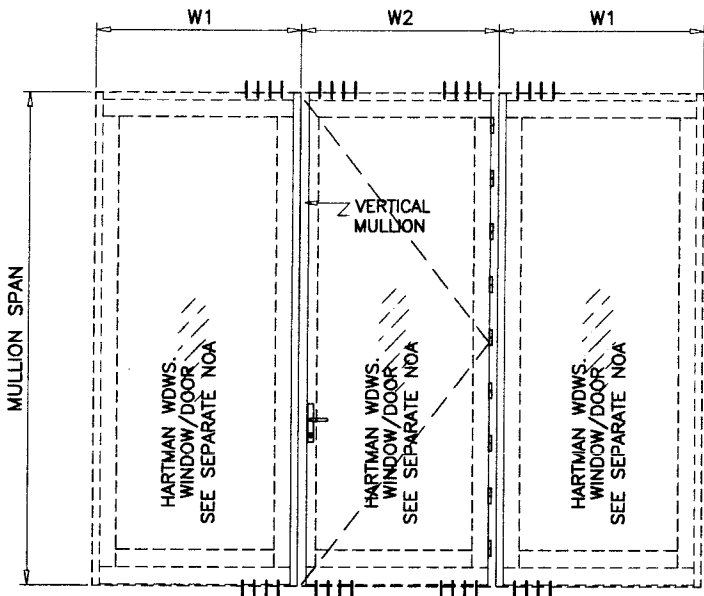
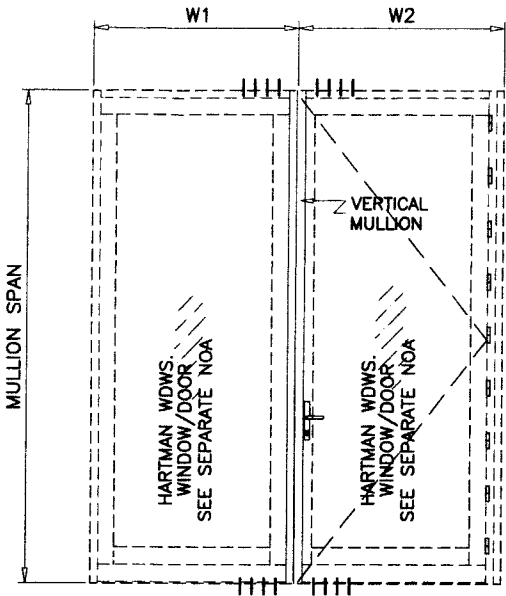


FRENCH DOOR TO FRENCH DOOR
VERTICAL JOIN

FRENCH DOOR TO FRENCH DOOR
VERTICAL JOIN

3" MULLION

4" MULLION



WIDTH (W) = $\frac{W1 + W2}{2}$

SEE SHEET 5 FOR ANCHORS TYPE 'A'.
SEE SHEET 6 FOR ANCHORS TYPE 'B'.

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

NOV 01 2007

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By *[Signature]*

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\M07-01HWD

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WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

| no | date | description | REV. | PER | COMMENTS |
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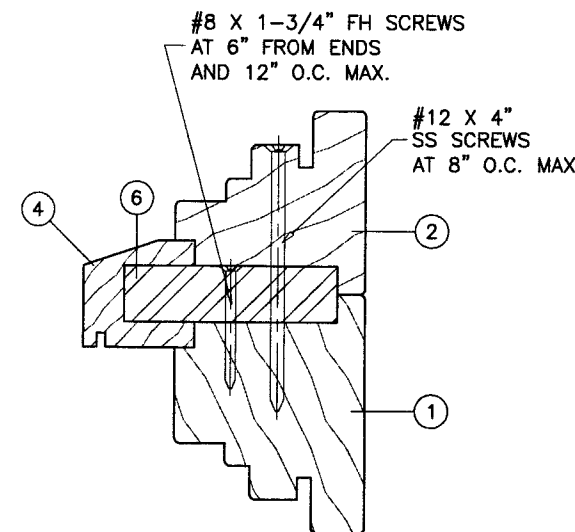
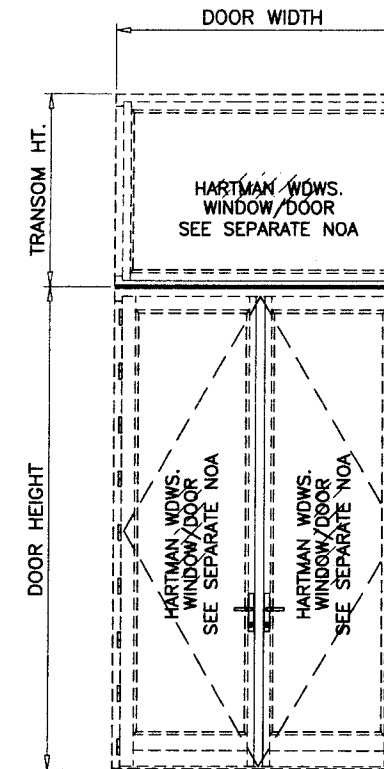
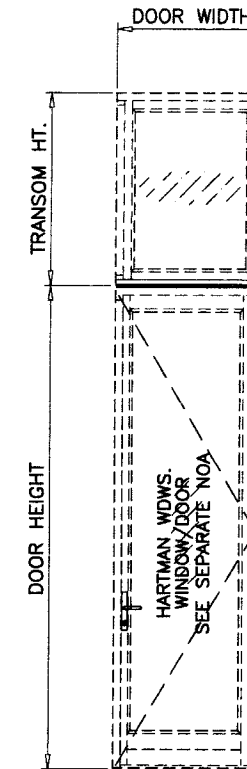
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chk. by:

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M07-01
sheet 2 of 7

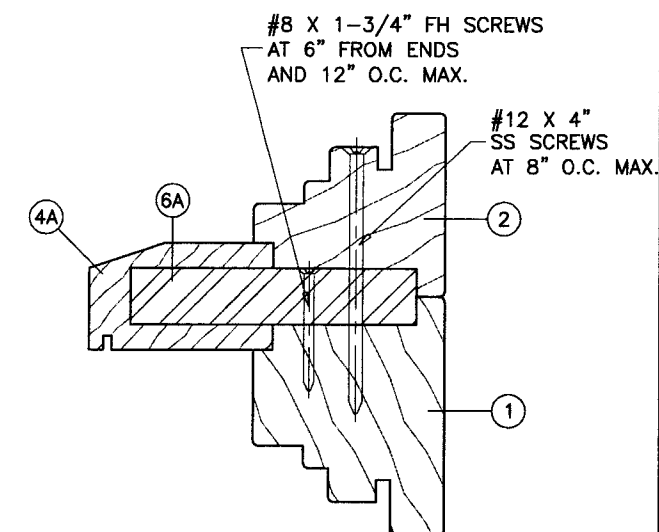
| DESIGN LOAD CAPACITY | | | | |
|-----------------------|-----------------------|--------------------------|-----------------|------------|
| NOMINAL DIMS. | | | ANCHOR TYPE 'A' | |
| OPNG. WIDTH INCHES | DOOR HEIGHT INCHES | TRANSOM HEIGHT INCHES | 3" MULLION | 4" MULLION |
| 72 | 84 | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 70.0 | 70.0 |
| | | 42 | 70.0 | 70.0 |
| | | 48 | 70.0 | 70.0 |
| 84 | | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 70.0 | 70.0 |
| | | 42 | 70.0 | 70.0 |
| | | 48 | 70.0 | 70.0 |
| 96 | | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 66.8 | 70.0 |
| | | 36 | 63.8 | 70.0 |
| | | 42 | 61.2 | 70.0 |
| | | 48 | 58.9 | 70.0 |
| 72 | 96 | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 70.0 | 70.0 |
| | | 42 | 70.0 | 70.0 |
| | | 48 | 70.0 | 70.0 |
| 84 | | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 70.0 | 70.0 |
| | | 42 | 70.0 | 70.0 |
| | | 48 | 70.0 | 70.0 |
| 96 | | 12 | 69.9 | 70.0 |
| | | 18 | 66.3 | 70.0 |
| | | 24 | 63.2 | 70.0 |
| | | 30 | 60.4 | 70.0 |
| | | 36 | 57.9 | 70.0 |
| | | 42 | 55.8 | 70.0 |
| | | 48 | 53.9 | 70.0 |

| DESIGN LOAD CAPACITY | | | | |
|-----------------------|-----------------------|--------------------------|-----------------|------------|
| NOMINAL DIMS. | | | ANCHOR TYPE 'A' | |
| OPNG. WIDTH INCHES | DOOR HEIGHT INCHES | TRANSOM HEIGHT INCHES | 3" MULLION | 4" MULLION |
| 72 | 108 | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 70.0 | 70.0 |
| | | 42 | 70.0 | 70.0 |
| | | 48 | 70.0 | 70.0 |
| 84 | | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 69.5 | 70.0 |
| | | 42 | 67.3 | 70.0 |
| | | 48 | 65.3 | 70.0 |
| 96 | | 12 | 62.9 | 70.0 |
| | | 18 | 60.0 | 70.0 |
| | | 24 | 57.4 | 70.0 |
| | | 30 | 55.1 | 70.0 |
| | | 36 | 53.0 | 70.0 |
| | | 42 | 51.2 | 70.0 |
| | | 48 | 49.6 | 68.8 |
| 72 | 120 | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 70.0 | 70.0 |
| | | 30 | 70.0 | 70.0 |
| | | 36 | 70.0 | 70.0 |
| | | 42 | 70.0 | 70.0 |
| | | 48 | 70.0 | 70.0 |
| 84 | | 12 | 70.0 | 70.0 |
| | | 18 | 70.0 | 70.0 |
| | | 24 | 68.8 | 70.0 |
| | | 30 | 66.3 | 70.0 |
| | | 36 | 64.1 | 70.0 |
| | | 42 | 62.2 | 70.0 |
| | | 48 | 60.5 | 70.0 |
| 96 | | 12 | 57.2 | 70.0 |
| | | 18 | 54.8 | 70.0 |
| | | 24 | 52.6 | 70.0 |
| | | 30 | 50.6 | 70.0 |
| | | 36 | 48.9 | 69.4 |
| | | 42 | 47.4 | 66.7 |
| | | 48 | 46.0 | 64.5 |



TRANSOM TO SIDELITE
HORIZONTAL JOIN

3" MULLION



TRANSOM TO FRENCH DOOR
HORIZONTAL JOIN

4" MULLION

SEE SHEET 5 FOR ANCHORS TYPE 'A'.

Engr: DR. HUMAYOUN FAROOQ
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ENGINEERS & PRODUCT DEVELOPMENT
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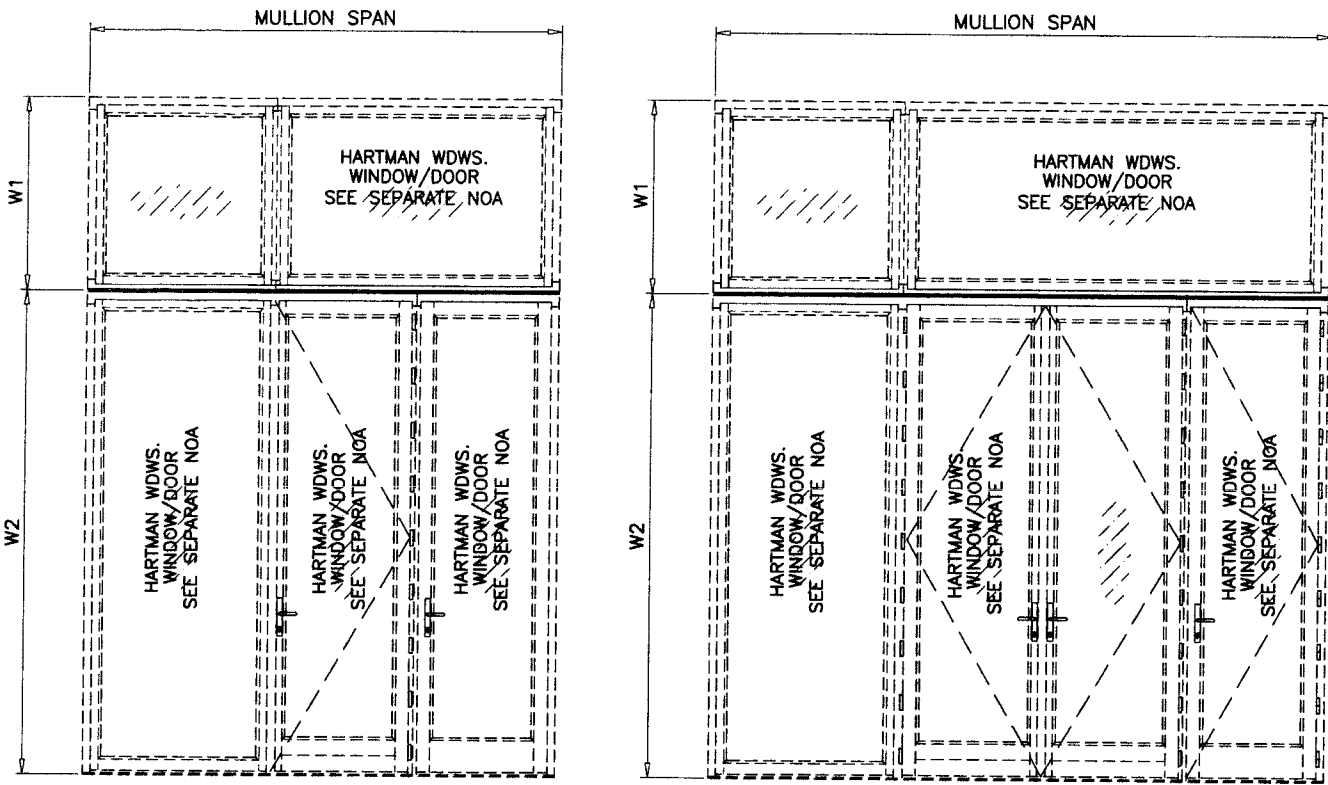
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| revisions: | no | date | by | description |
|------------|----|----------|----|------------------------|
| | A | 10.26.07 | | REV. PER BCCO COMMENTS |

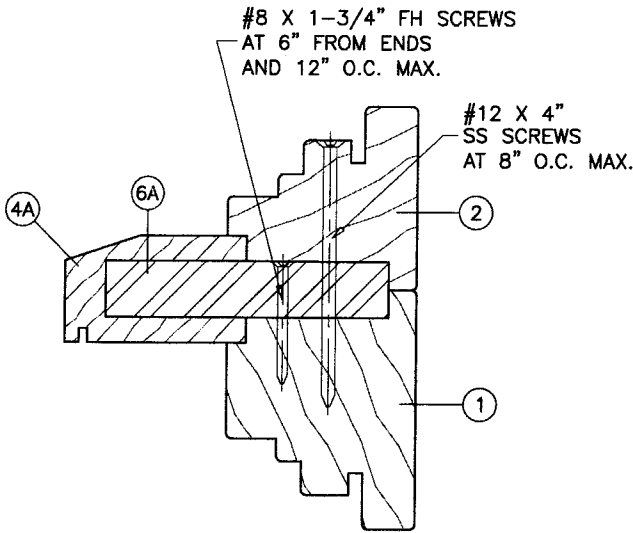
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dr. by: HAMID
chk. by:

drawing no.
M07-01
sheet 3 of 7

| DESIGN LOAD CAPACITY - PSF | | | |
|----------------------------|-----------|---------------------|---------------------|
| WINDOW DIMS. | | ANCHOR TYPE 'C' | |
| WIDTH (W) | MULL SPAN | 3/4" X 4" STEEL BAR | 3/4" X 5" STEEL BAR |
| 48" | 96" | 70.0 | 70.0 |
| 54" | | 70.0 | 70.0 |
| 60" | | 70.0 | 70.0 |
| 66" | | 70.0 | 70.0 |
| 72" | | 70.0 | 70.0 |
| 78" | | 69.2 | 70.0 |
| 84" | | 64.3 | 70.0 |
| 48" | 108" | 70.0 | 70.0 |
| 54" | | 70.0 | 70.0 |
| 60" | | 70.0 | 70.0 |
| 66" | | 64.6 | 70.0 |
| 72" | | 59.3 | 70.0 |
| 78" | | 54.7 | 70.0 |
| 84" | | 50.8 | 70.0 |
| 48" | 120" | 70.0 | 70.0 |
| 54" | | 64.0 | 70.0 |
| 60" | | 57.6 | 70.0 |
| 66" | | 52.4 | 70.0 |
| 72" | | 48.0 | 70.0 |
| 78" | | 44.3 | 69.2 |
| 84" | | 41.1 | 64.3 |
| 48" | 132" | 59.5 | 70.0 |
| 54" | | 52.9 | 70.0 |
| 60" | | 47.6 | 70.0 |
| 66" | | 43.3 | 67.6 |
| 72" | | 39.7 | 62.0 |
| 78" | | 36.6 | 57.2 |
| 84" | | 34.0 | 53.1 |
| 48" | 144" | 49.7 | 70.0 |
| 54" | | 44.2 | 69.4 |
| 60" | | 39.8 | 62.5 |
| 66" | | 36.2 | 56.8 |
| 72" | | 33.2 | 52.1 |
| 78" | | 30.6 | 48.1 |
| 84" | | - | 44.6 |
| 48" | 156" | 39.1 | 66.6 |
| 54" | | 34.8 | 59.2 |
| 60" | | 31.3 | 53.3 |
| 66" | | - | 48.4 |
| 72" | | - | 44.4 |
| 78" | | - | 41.0 |
| 84" | | - | 38.0 |

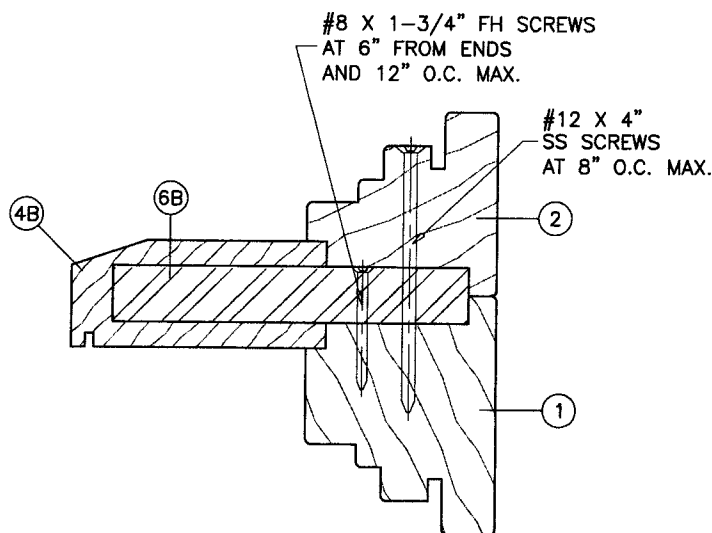


$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



TRANSOM TO SIDELITE
HORIZONTAL JOIN

4" MULLION



TRANSOM TO FRENCH DOOR
HORIZONTAL JOIN

5" MULLION

SEE SHEET 7 FOR ANCHORS TYPE 'C'.

Engr: DR. HUMAYGUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

NOV 01 2007

By approved as complying with the
Florida Building Code
Date 12/27/2007
NOA# 07-0910.02
Miami Dade Product Control
Division
By

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\M07-01HWD

CLIPPED/UNCLIPPED WOOD & STEEL MULLION

HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

revisions:

| no | date | by | description |
|----|----------|----|------------------------|
| A | 10.26.07 | | REV. PER BCCO COMMENTS |

date: 05-08-07

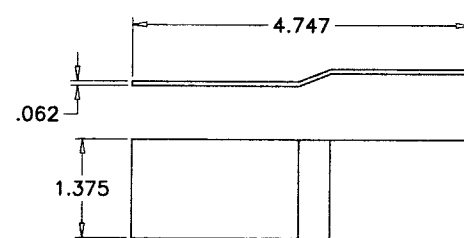
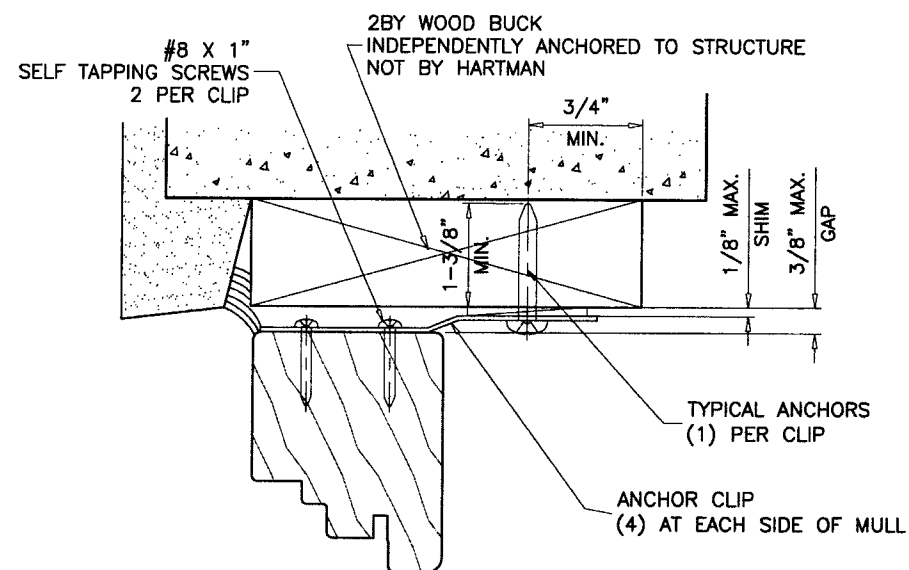
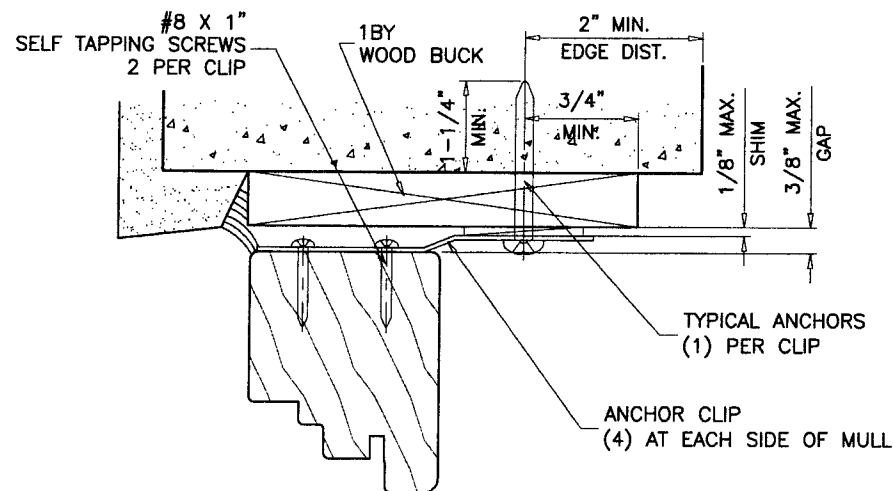
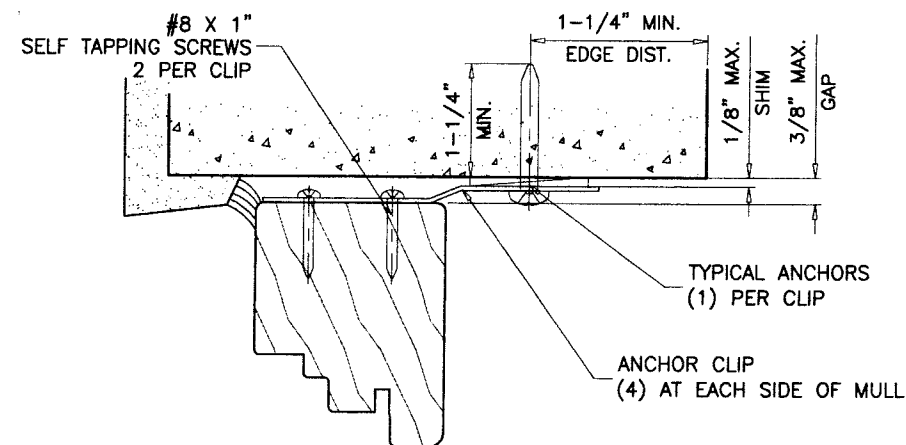
scale: 3/8" = 1"

dr. by: HAMID

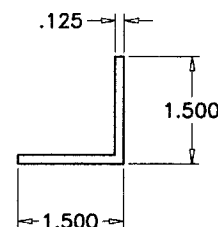
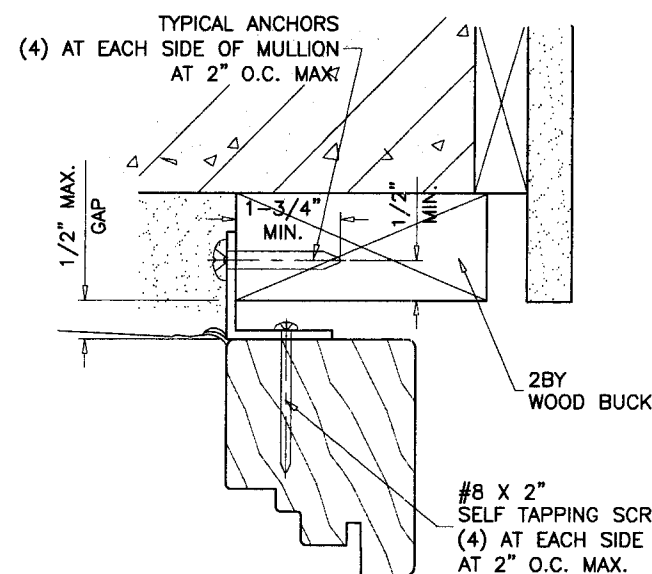
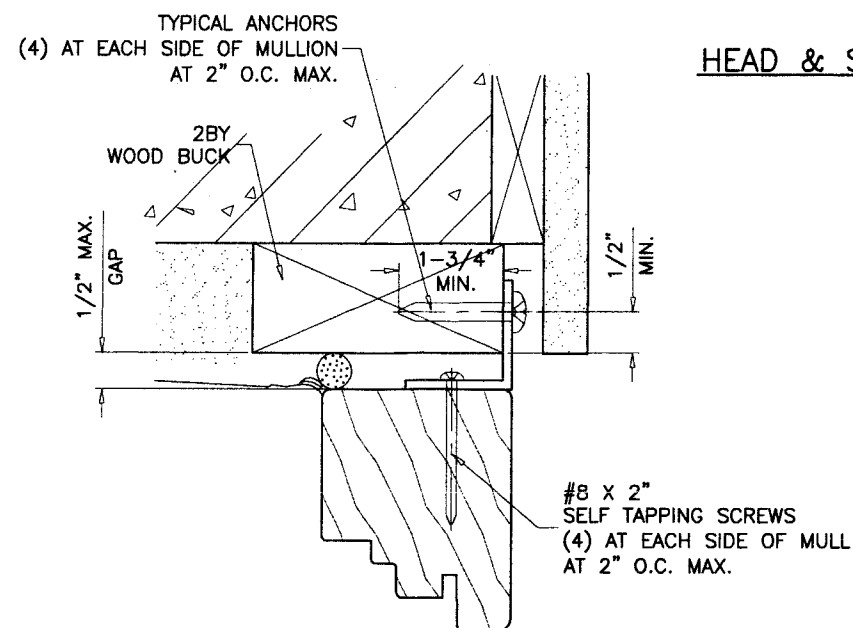
chk. by:

drawing no.
M07-01

sheet 4 of 7



STRAP CLIP
GALV. STEEL



ALUMINUM ANGLE CONT.
(6063-T5)

HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS WITH MULLION CLIP

ANCHORS TYPE 'A'

ANCHORS THRU STRAP CLIPS & ALUM ANGLE

#10 SMS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD

3/16" DIA. TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 1-1/2" MIN. (UNLESS SPECIFIED)
INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

ANCHORS CL TO CL DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE
AS PER DOOR OR FIXED LITE NOA'S.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

NOV 01 2007

Approved as complying with the
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Date 12/27/2007
NOA# 07-0978-02
Miami Dade Product Control
Division
By *[Signature]*

af c
AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 262-6978
FAX. (305) 262-6978
COMP-ANL\M07-01HWD

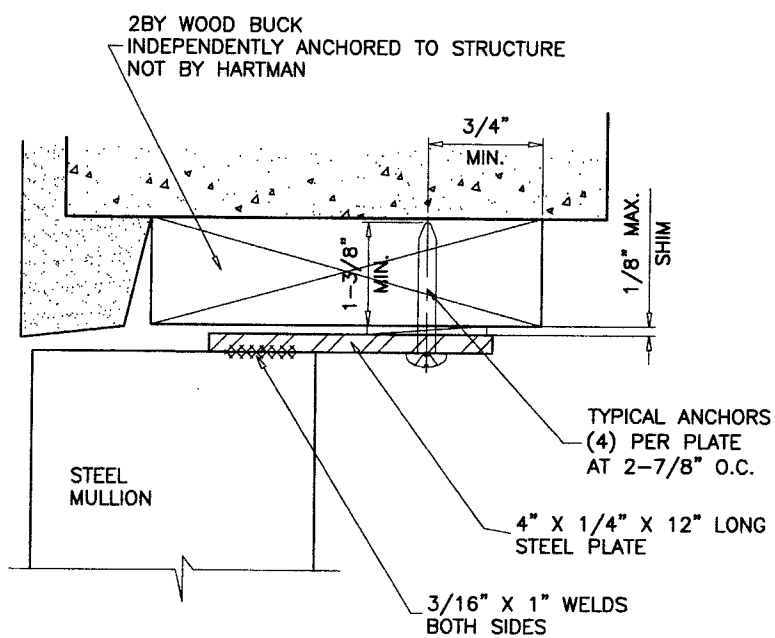
CLIPPED/UNCLIPPED WOOD & STEEL MULLION
HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

| revisions: | | no | date | by | description |
|------------|--|----|----------|----|------------------------|
| | | A | 10.26.07 | | REV. PER BCCO COMMENTS |

| | |
|----------|-----------|
| date: | 05-08-07 |
| scale: | 3/8" = 1" |
| dr. by: | HAMID |
| chk. by: | |

drawing no.
M07-01

sheet 5 of 7

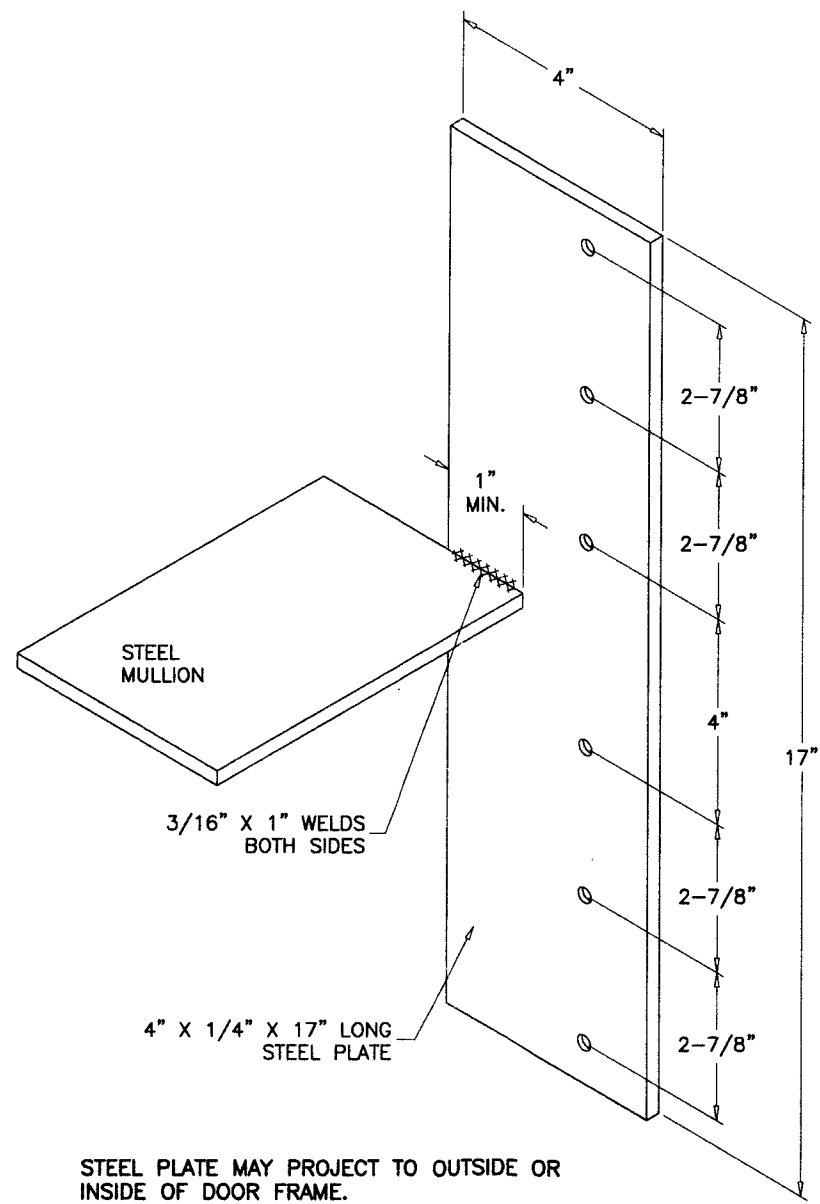
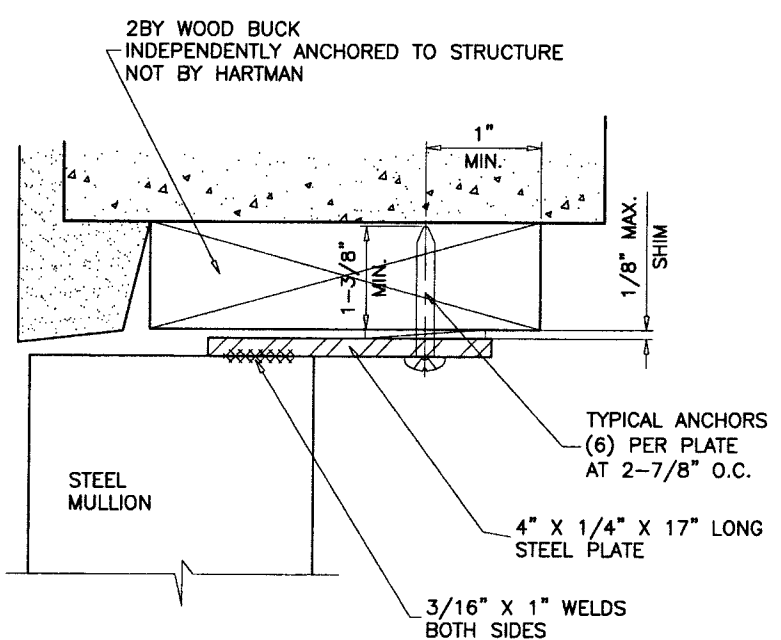
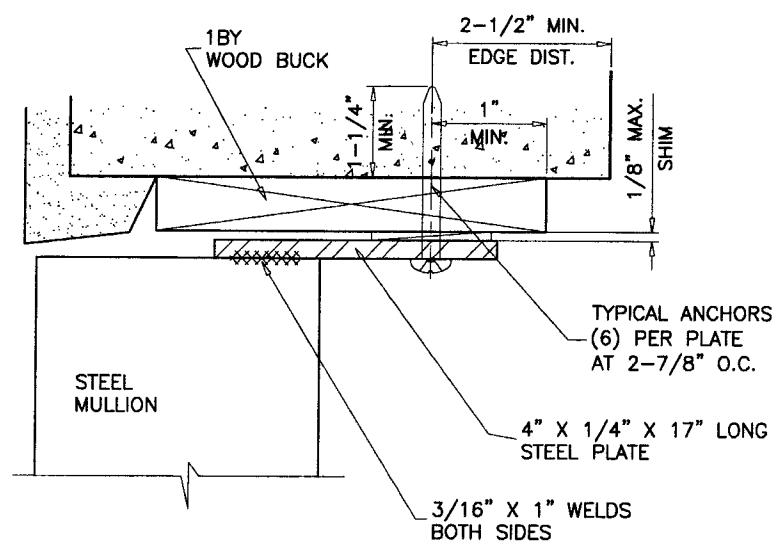
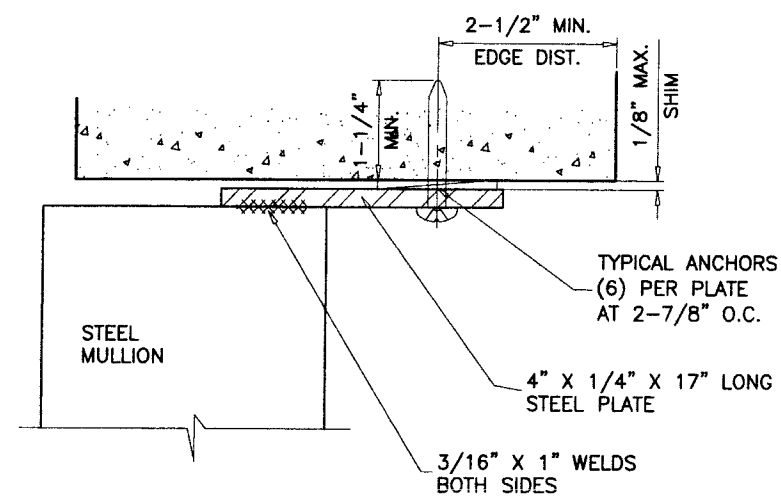


| | | | |
|-------------------------------------|----------------------|-------------------|---------------------------------|
| date: 05-08-07 | | revisions: | |
| scale: 3/8" = 1" | dr. by: HAMID | no | date by description |
| | | A | 10.26.07 REV. PER BCCO COMMENTS |
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| | | | |
| | | | |
| drawing no. M07-01 | | | |
| sheet 6 of 7 | | | |

| revisions: | no | date | by | description |
|------------|----|----------|----|------------------------|
| | A | 10.26.07 | | REV. PER BCOO COMMENTS |

| | |
|----------|-----------|
| date: | 05-08-07 |
| scale: | 3/8" = 1" |
| dr. by: | HAMID |
| chk. by: | |

HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS WITH STEEL PLATE



STEEL PLATE MAY PROJECT TO OUTSIDE OR
 INSIDE OF DOOR FRAME.

ANCHORS TYPE 'C'

ANCHORS THRU STEEL PLATE

1/4" DIA. TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

ANCHORS CL TO CL DISTANCE

INTO CONCRETE AND MASONRY = 2-7/8" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE
 AS PER DOOR OR FIXED LITE NOA'S.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

Approved as complying with the
 Florida Building Code
 Date: 12/27/2007
 NOA# 07-0918.02
 Miami Dade Product Control
 Division
 By: [Signature]

NOV 01 2007